Geothermal Collaborative Summit

Transmission Session
June 9, 2005

Ronald Davis
Davis Power Consultants

Geothermal Collaborative Summit

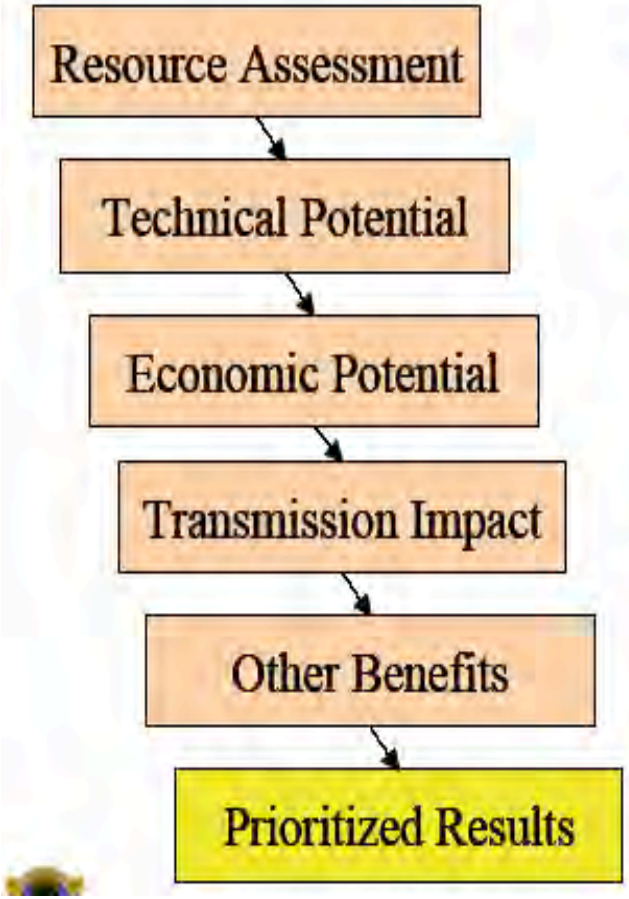
Transmission Session
June 9, 2005

Ronald Davis
Davis Power Consultants

Strategic Value Assessment

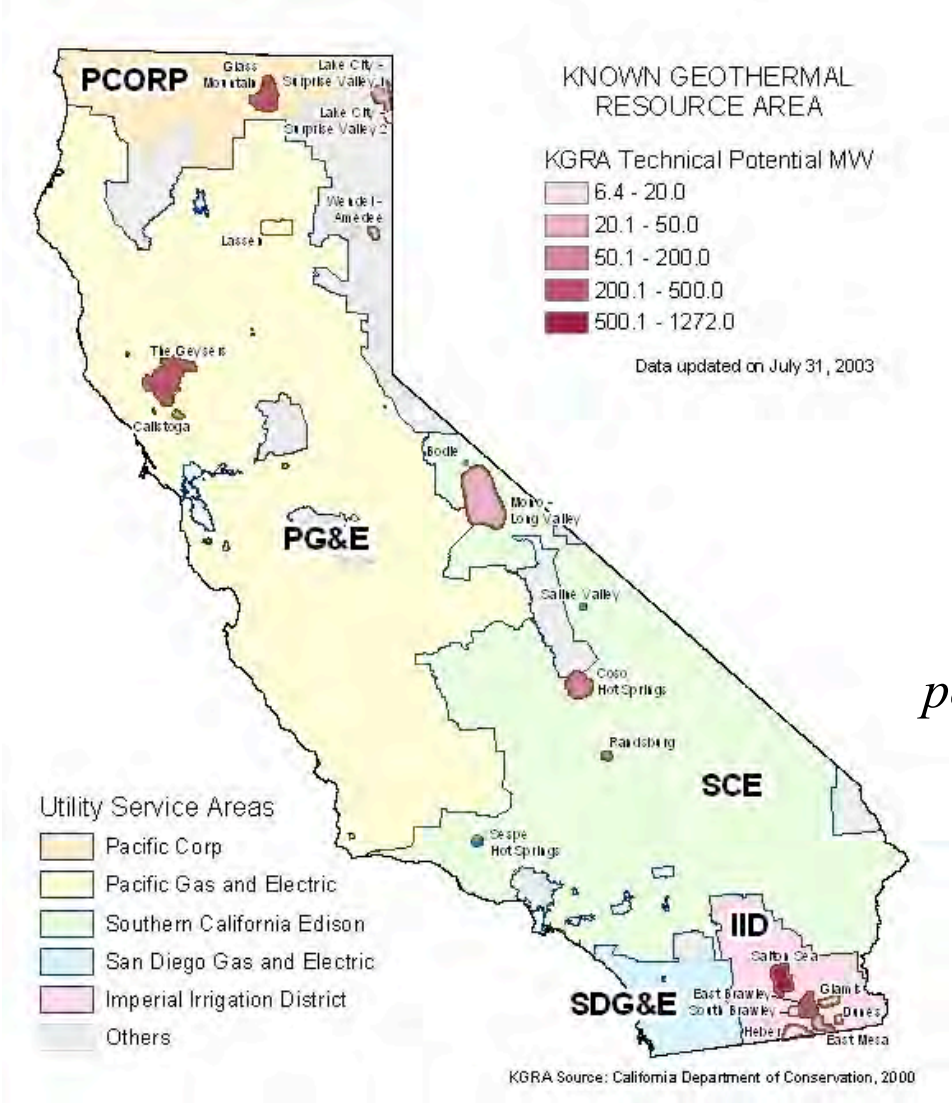
- SVA is a methodology for evaluating renewable technology benefits
  - Assess renewable technology resource potential for meeting RPS goals
  - Identify key focus areas
  - Evaluate economics and timeframe
  - Evaluate points of interconnection
  - Consider solutions with environmental, economic and non-energy benefits
  - Provide solutions that can defer transmission upgrades and reduce transmission congestion
  - Prioritize renewable implementation and transmission infrastructure needs

Strategic Value Analysis Approach

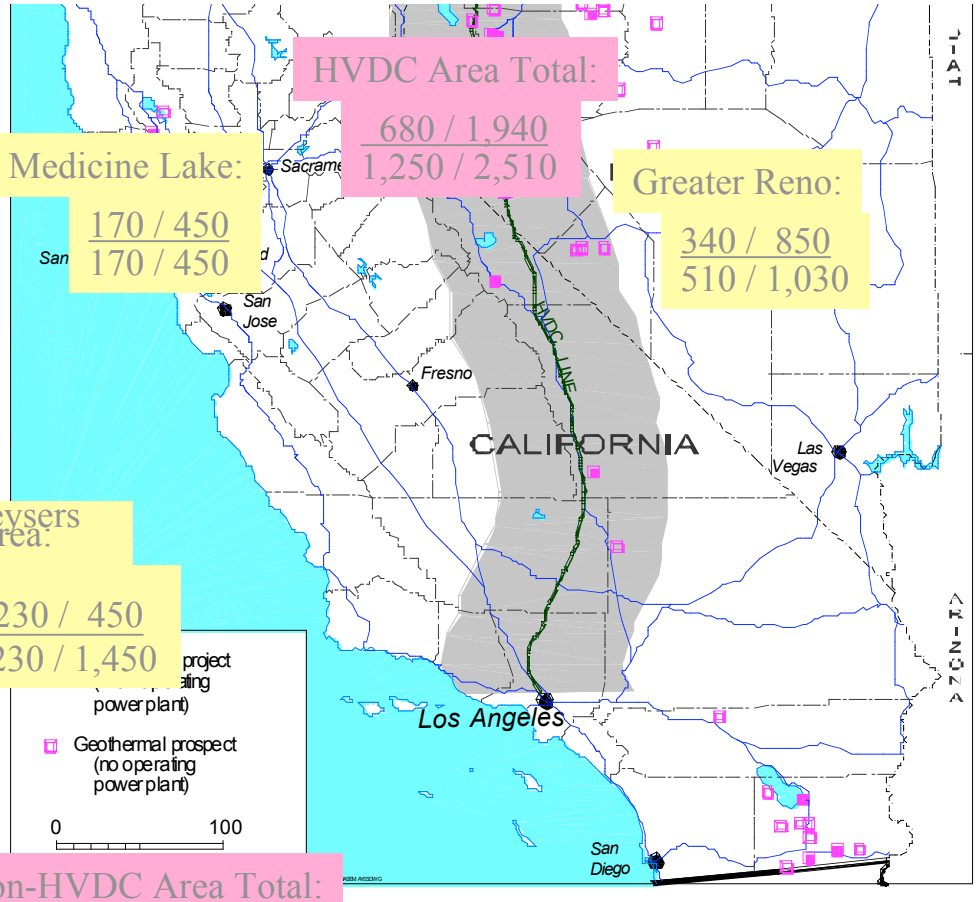


- ***Identify resource potential and filtering criteria (technical & economic)***
- ***Optimize development and deployment of renewables based on their benefits***
  - ***Electrical grid***
  - ***Environment***
  - ***Local Economies***
- ***Overlay renewable technologies by location to find optimal mix for development***
- ***Graphically display and integrate solutions for planning needs***

Geothermal Technical Potential



Statewide technical potential over 3800 MW

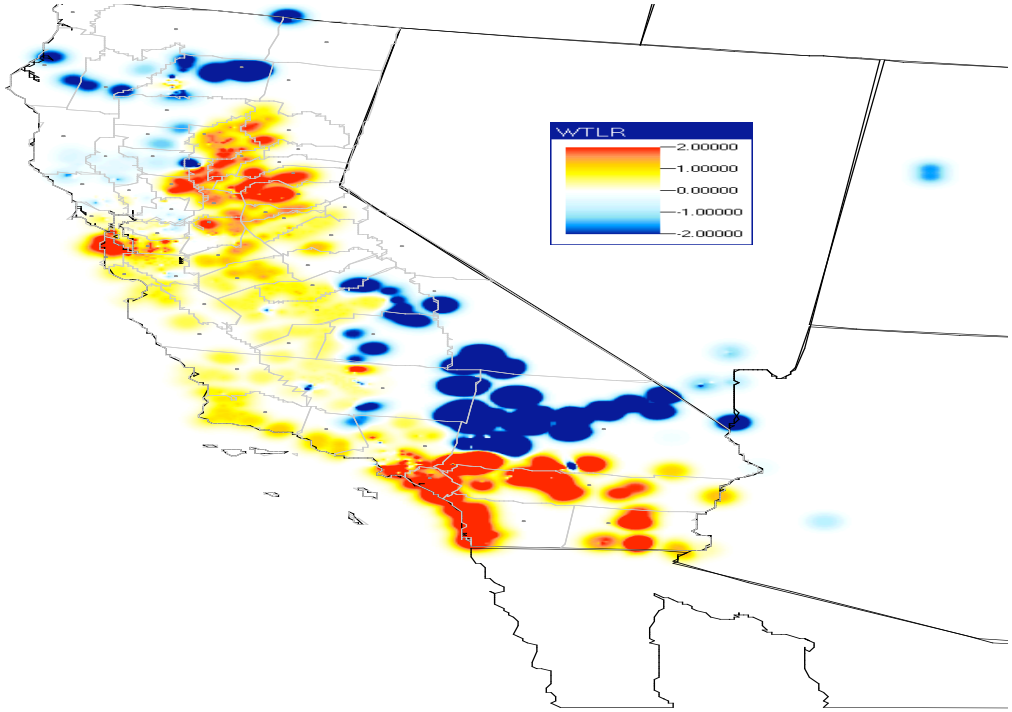


GeothermEx's Resource Assessment of Generating Capacities of Major Geothermal Resource Areas in MW

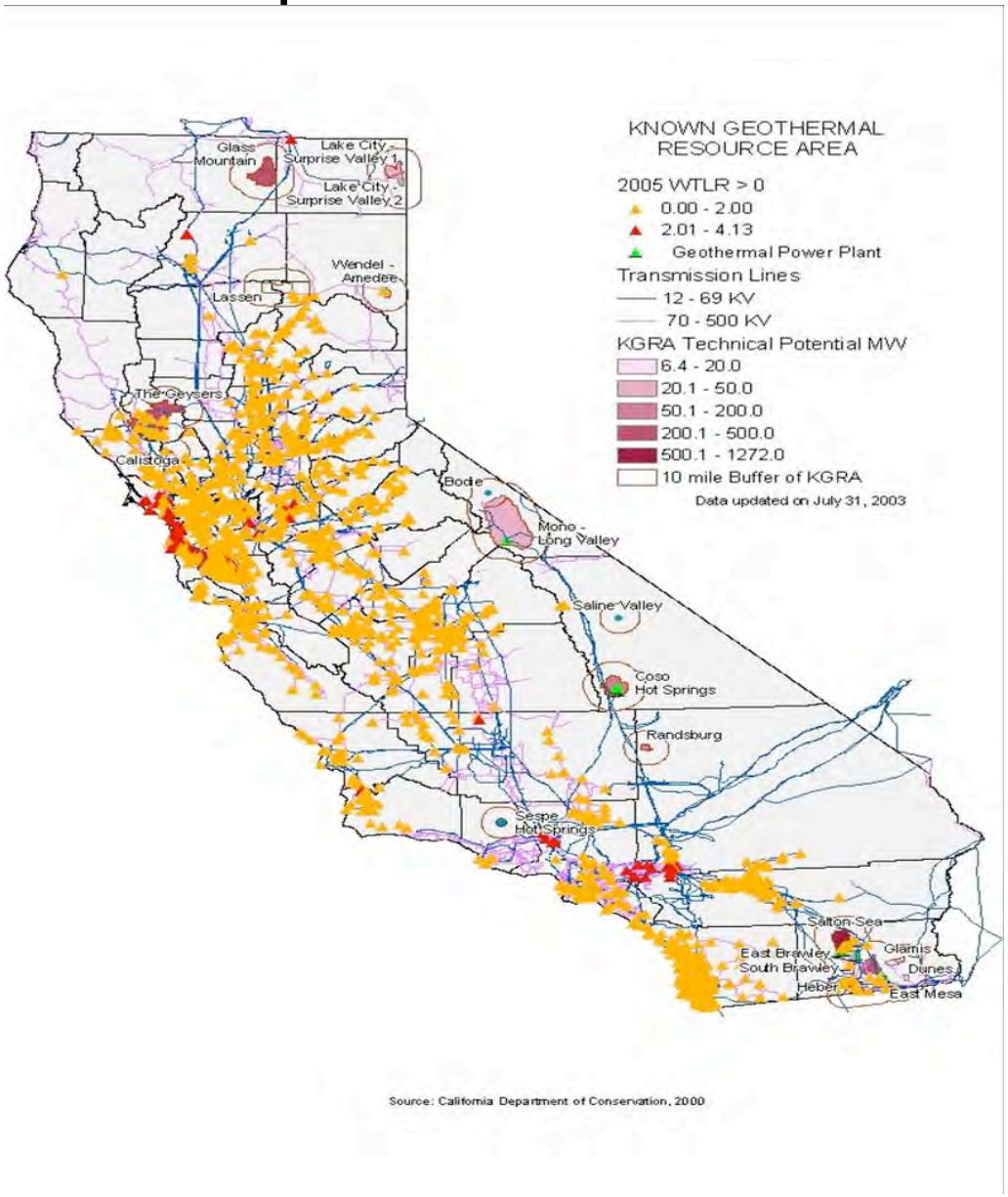
LEGEND

Minimum Incremental	Most Likely Incremental
Minimum Total	Most Likely Total

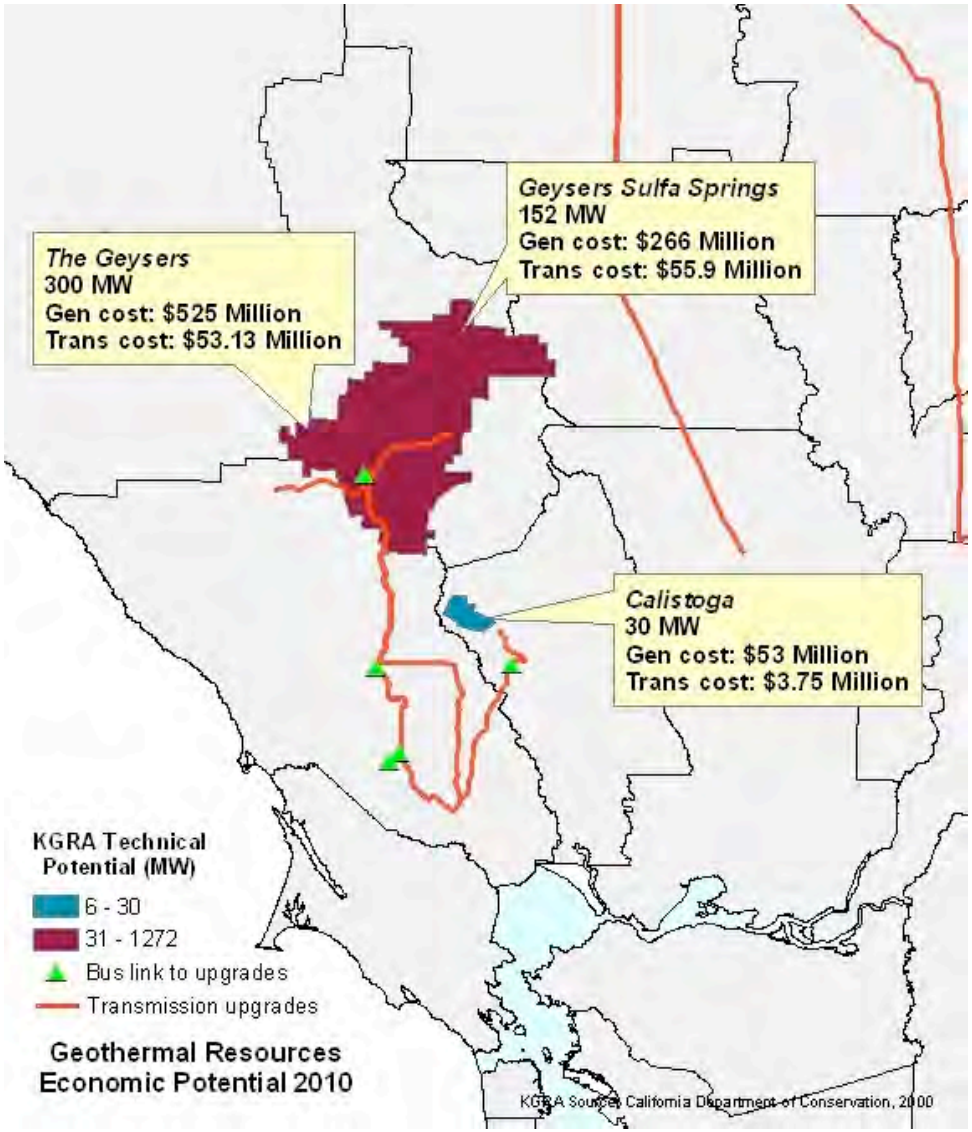
2017 Projected WTLR Locations



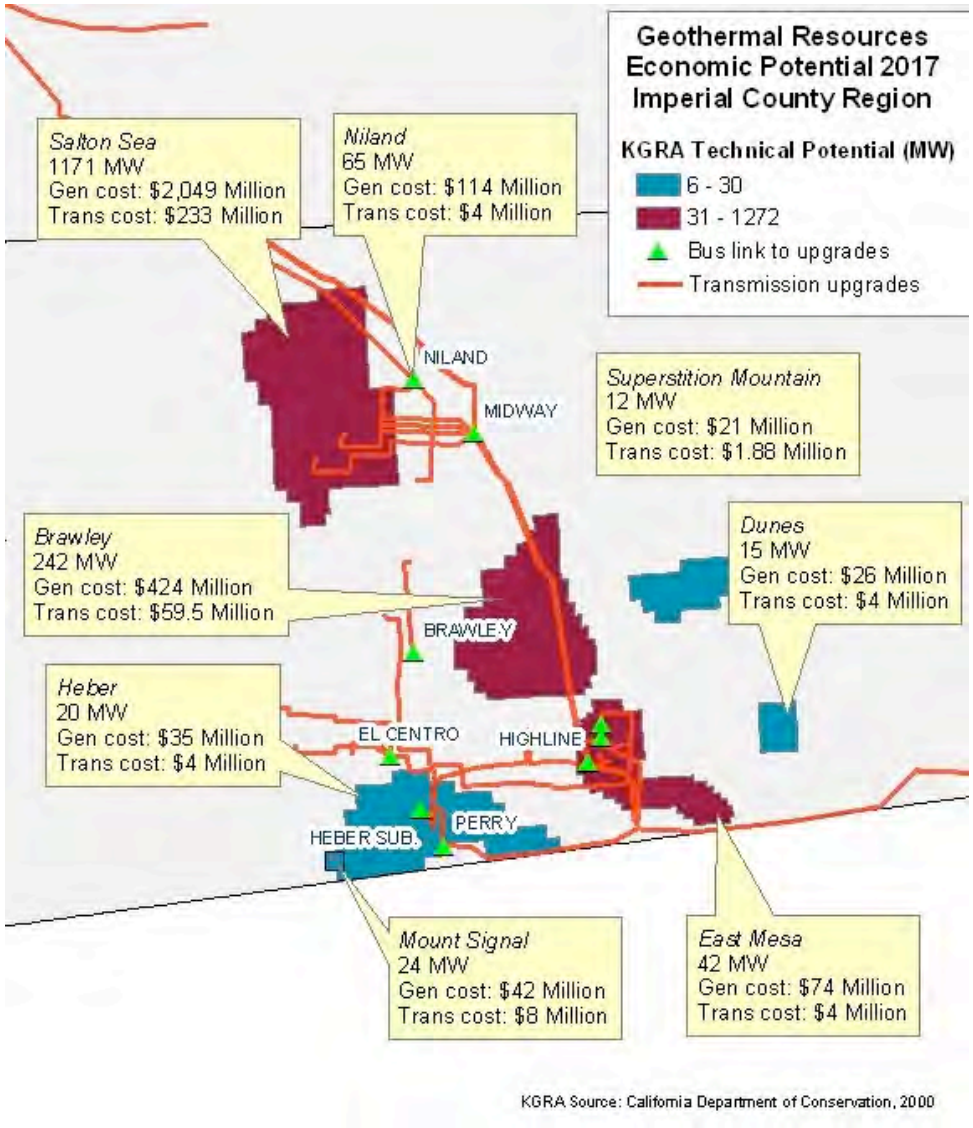
Projected Hot Spots vs Geothermal Potential



Detail on The Geysers



Detail on Imperial County Area



Transmission Questions

- How do we get utilities and developers to provide technical and location data?
- How can we evaluate potential geothermal areas without infringing on confidentially?
- How can we best address California transmission issues with geothermal development?
- How can we get all parties to participate and incorporate this new methodology into their analysis?